

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5182431

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	XINGHUI DUAN	03/13/2018
	GIUSEPPE D'ELISEO	03/13/2018
	LALLA FATIMA DRISSI	03/13/2018
	GIUSEPPE FERRARI	03/13/2018
	ERIC KWOK FUNG YUEN	03/26/2018
	MASSIMO IACULO	03/13/2018
RECEIVING PARTY DATA		
Name:	MICRON TECHNOLOGY, INC.	
Street Address:	8000 SO. FEDERAL WAY	
City:	BOISE	
State/Country:	IDAHO	
Postal Code:	83716-9632	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	PCT Number:	CN2017115425
CORRESPONDENCE DATA		
Fax Number:	(612)339-3061	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	612-373-6900	
Email:	request@slwip.com	
Correspondent Name:	SCHWEGMAN LUNDBERG & WOESSNER P.A.	
Address Line 1:	P.O. BOX 2938	
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402-0938	
ATTORNEY DOCKET NUMBER:	303.G48WO1	
NAME OF SUBMITTER:	JULIE A. NELSON	
SIGNATURE:	/ Julie A. Nelson /	
DATE SIGNED:	10/10/2018	
Total Attachments: 9		

source=303G48WO1_assignment_signed#page1.tif
source=303G48WO1_assignment_signed#page2.tif
source=303G48WO1_assignment_signed#page3.tif
source=303G48WO1_assignment_signed#page4.tif
source=303G48WO1_assignment_signed#page5.tif
source=303G48WO1_assignment_signed#page6.tif
source=303G48WO1_assignment_signed#page7.tif
source=303G48WO1_assignment_signed#page8.tif
source=303G48WO1_assignment_signed#page9.tif

RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 303.G48WO1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Xinghui Duan, Giuseppe D'Eliseo, Lalla Fatima Drissi,
Giuseppe Ferrari, Eric Kwok Fung Yuen, Massimo
Iaculo

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: March 13, 2018, March 13, 2018,
March 13, 2018, March 13, 2018, March 26, 2018,
March 13, 2018

2. Name and address of receiving party(ies):

Name: Micron Technology, Inc.

Street Address: 8000 So. Federal Way

City: Boise State: ID Zip: 83716-9632

Country: United States of America

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. PCT/CN2017/115425

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: David R. Cochran

Address:

Swegman Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, Minnesota 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 0.00

☐ Enclosed

☐ Authorized to be charged to deposit account 19-
0743

8. Please charge any additional fees or credit any over
payments to our Deposit Account No.: 19-0743

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy
of the original document.

David R. Cochran/Reg. No. 46,632

Name of Person Signing

David R. Cochran

Signature

9 October 2018

Date

Total number of pages including cover sheet: 9

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
REEL: 047126 FRAME: 0508

ASSIGNMENT

WHEREAS, Xinghui Duan, Giuseppe D'Eliseo, Lalla Fatima Drissi, Giuseppe Ferrari, Eric Kwok Fung Yuen and Massimo Iaculo (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention"); as described in the patent application filed on December 11, 2017, assigned PCT application serial number PCT/CN2017/115425, and titled SCHEME TO IMPROVE EFFICIENCY OF GARBAGE COLLECTION IN CACHED FLASH TRANSLATION LAYER.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Micron Technology, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 8000 So. Federal Way, Boise, ID 83716-9632, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

- the Invention which is disclosed in the above-identified application or applications;

- such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

- all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

- including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

- and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 73115 may (directly or through his/her designee) delete, insert, or alter any

Assignment

Assignors: Xinghui Duan et al.

Title: SCHEME TO IMPROVE EFFICIENCY OF GARBAGE COLLECTION IN CACHED FLASH TRANSLATION LAYER

Page 2 of 8

Docket No: 393.G48WG1

Client Ref. No. 2017-0680.00/PC

information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignment

Assignors: Xinghui Duan et al.

Title: SCHEME TO IMPROVE EFFICIENCY OF GARBAGE COLLECTION IN CACHED FLASH TRANSLATION LAYER

Page 3 of 5

Docket No: 303.G48WO1

Client Ref. No. 2017-0680.00/PC

Assignor:

(Signature):

Xinghui Duan

Name: Xinghui Duan

City/State: Shanghai, China

WITNESSES:

Dated 03/13/2018

Signature

[Signature]

Printed Name SALVATORE DEL PRETE

Address VIA RUFFINI 6, GRUPO NEVADO (N/A)
80078 ITALY

Dated 03/13/2018

Signature

[Signature]

Printed Name ALBERTO CASARSA

Address VIA GERARDO QUINATA 112
80146 - NAPOLI - ITALIA

PATENT

REEL: 047126 FRAME: 0511

Assignment

Assignors: Xinghui Duan et al.

Title: SCHEME TO IMPROVE EFFICIENCY OF GARBAGE COLLECTION IN CACHED FLASH TRANSLATION LAYER

Page 4 of 8

Docket No: 303,048WO1

Client Ref. No. 2017-0680.00/PC

Assignor:

(Signature):



Name: Giuseppe D'Eliseo

City/State: Caserta, CE, Italy

WITNESSES:

Dated 03/13/2018

Signature



Printed Name SALVATORE DEL PRETE

Address VIA ROSSINI, 6 GRUNO NORMO (NA) 80028
ITALY

Dated 03/13/2018

Signature



Printed Name ALBERTO SACCOPA

Address VIA BERNARDO CACCAPPA, 112
80146 - NAPOLI - ITALIA

Assignment

Assignors: Xinghui Duan et al.

Title: SCHEME TO IMPROVE EFFICIENCY OF GARBAGE COLLECTION IN CACHED FLASH TRANSLATION LAYER

Docket No: 303.G48WD1

Client Ref. No. 2017-0680.00/PC

Page 5 of 8

Assignor:

(Signature):

Lalla Fatima Drissi

Name: Lalla Fatima Drissi

City/State: Ottaviano, Napoli, Italy

WITNESSES:

Dated 03/13/2018

Signature

Salvatore Del Prete

Printed Name SALVATORE DEL PRETE

Address VIA ROSSINI 6, GRUNO NEVANO (NA) 80028

ITALY

Dated 03/13/2018

Signature

Alberto Sacca

Printed Name ALBERTO SACCA

Address VIA BERNARDO QUARANTA, 112

80146 - NAPOLI - ITALIA

Assignment

Assignors: Kinghui Duan et al.

Title: SCHEME TO IMPROVE EFFICIENCY OF GARBAGE COLLECTION IN CACHED FLASH TRANSLATION LAYER

Page 6 of 8

Docket No: 303.G48WO1

Client Ref. No. 2017-0680.00/PC

Assignor:

(Signature):



Name: Giuseppe Ferrari

City/State: Napoli, NA, Italy

WITNESSES:

Dated 03/13/2018

Signature



Printed Name SALVATORE DEL PRETE

Address VIA ROSSINI 6, GRUNO NEVANO (NA) 80028

ITALY

Dated 03/13/2018

Signature



Printed Name ALBERTO SASSARA

Address VIA BERNARDO GUARANDA, 112

80146 - NAPOLI - ITALIA

Assignment

Assignors: Xinghui Duan et al.

Title: SCHEME TO IMPROVE EFFICIENCY OF GARBAGE COLLECTION IN CACHED FLASH TRANSLATION LAYER

Page 7 of 8

Docket No: 303.G48WO1

Client Ref. No. 2017-0680.00/PC

Assignor:

(Signature):

Name: Eric Kwok Fung Yuen

City/State: Dublin, CA

Date:

3/26/2018

STATE OF

California

COUNTY OF

Santa Clara

On this 26 day of March, 2018 before me, Suzanne A. Morrish, personally appeared Eric Kwok Fung Yuen who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

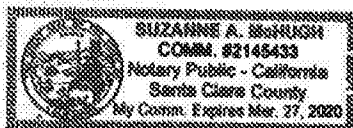
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]

Suzanne A. Morrish

Notary Public



Assignment

Assignors: Kinghui Duan et al.

Title: SCHEME TO IMPROVE EFFICIENCY OF GARBAGE COLLECTION IN CACHED FLASH TRANSLATION LAYER

Page 8 of 8

Docket No: 303.G48WO1

Client Ref. No. 2017-0680,00/PC

Assignor:

(Signature):



Name: Massimo Iaculo

City/State: San Marco Evangelista, Caserta, Italy

WITNESSES:

Dated 03/11/2018

Signature



Printed Name SALVATORE DEL PRETE

Address VIA ROSSINI 6, GRUNO NEVANO (NA)
80028, ITALY

Dated 03/13/2018

Signature



Printed Name ALBERTO SASSO

Address VIA BERNARDO QUARANTA, 112
80146 - NAPOLI - ITALIA